THE

QUEENSLAND AGRICULTURAL JOURNAL,

ISSUED BY DIRECTION OF

THE HON. THE SECRETARY FOR AGRICULTURE.

EDITED BY A. J. BOYD F.R.G.S.Q.

NEW SERIES.

VOLUME XI.

JANUARY TO JUNE, 1919.

BY AUTHORITY:
ANTHONY JAMES CUMMING, GOVERNMENT PRINTER, BRISBANE.

1919.

QUEENSLAND AGRICULTURAL JOURNAL.

VOL. XI. PARTS 1 TO 6.

GENERAL INDEX.

Page.

A.

A Beginner with Sheep 16
A Correction 114
A Country Road Board for Queensland 2
A Useful Gate Hinge 264
A Leaking 10,000-gallon Tank, to Repair 23
A New Method of Drying and Mounting Plant Specimens 10
A New Zealander's View of Percherons 240
A Possible Factor in Coconut Beetle Control 215
A Remedy for Parasitical Bronchitis in Calves 81
A Remedy for the Sting of the Nettle Tree 81
A Successful Cotton-picking Machine ... 141
A Sun Prophecy Fulfilled on Earth ... 159
A World's Record in Competitive Egg-laying 263
Advantages of Skirting and Rolling Fleeces 15
Advice to Farmers Purchasing Stock Foods 219
Agricultural Districts, Rainfall in 42, 84, 127, 158, 179, 223
Agricultural Societies 81, vi., 124, 170, vii., 262
Agriculture 3, 47, 89, 131, 179, 227
Agriculture at the Primary Schools ... 54
Agriculture, How its Extension Benefits the City Worker 55
Agriculture, Pulverised Lime in ... 145
Analysis of Poultry Food 245
Animal Pathology 76
Another Imported Pest 30
Answers to Correspondents ... 124, 220
Anti-Cockroach Substances 149
Apiculture 16
Apples, Drying for Household Use ... 219
Application of Meatworks Fertiliser to Potatoes 124
April, Farm and Garden Notes for ... 129
April, Orchard Notes for 128
Arsenic, Manufacture of, in Queensland 261
Astronomical Data for Queensland 43, 85, 130, 173, xii. (May), 267
Australian Honey Supplies 16

B.

Banishing Flies 220
Bears and Opossums, Open Season for 170
Bee-keeping May Increase the Cotton Crop 137
Botany 10, 118, 256
Breeders of Pure-bred Stock ... 177, 237
Bronchitis in Calves 81
Broom Millet, the Price of 229
Burnt Lime as a Preservative for Perishable Products 52
Butter and Cheese Factories, Water for 160

C.

Calf Foods 105
Calves, a Remedy for Parasitical Bronchitis in 81
Cane Grub Investigation 29, 120, 152, 216, 258
Cassaba Melon 97
Castor Oil Plant 72
Castor Oil Seeds 231
Cattle Sale, Repatriation 239
Central Sugar Districts 210
Chances of Life 12
Chicks, Late-hatched 20
Chillie Wine 220
Cider, Pineapple 180
Circumstances Affecting Milk Secretion 241
Clarification of Water in Large Dams 13
Coastal Areas, Sheep on 239
Coconut Beetle Control 215
Coconuts or Rubber 75
Combating the Cane Beetle 120
Coming of the Friesian 13
Coming Wheat Crops 2
Competitive Egg-laying, a World's Record in 263
Comparative Statement of Cotton Crops in Queensland from 1914 to 1918 ... 58
Conference of Fruitgrowers 247
Co-operation amongst Fruitgrowers ... 150
Cost of Picking Cotton 89
Cotton 47
Cotton, Cost of Picking 89
Cotton Crop increased by Bees 137
Cotton Crop of 1918 58
Cotton-growing in Papua 94
Cotton in Queensland 58
Cotton on the Condamine 140
Cotton-picking, Machine 141
Cotton Plant in South Queensland ... 131
Cotton Planters, Notice to 140
Cotton Seed for Distribution 120
Cotton Seed Imports 136
Country Road Boards for Queensland ... 2
Cultivation of Lucerne 228
Cultivation of Sugar-cane in Queensland 115
Cultivation of Wheat 59, 90

Page.

D.

Dairying 1, 64, 105, 241
Departmental Announcements ... xi., xvii.
Desirability of Increasing Our Sugar Production 155
Disinfectants, Perfection in 262
Do Poultry Farms Pay? 194
Drought-resisting Sheep 63
Droughts and Floods 160
Divining Rod 117
Drying and Mounting Plant Specimens 10
Drying Apples for Household Use ... 219

E.

Economic and Practical Methods of Irrigation 9, 55, 93, 179, 227
Economy in Using Potatoes 80
Egg-laying, Competitive, A World's Record in 263
Egg-laying Competitions, Queensland Agricultural College 18, 66, 100, 147, 181, 183, 243
Egg-producing, Water as a Factor in ... 195
Electrified Seeds in Great Britain ... 262
Enoggera Sales 42, 84, 127, 172, 222, 266
Entomology ... 29, 78, 120, 152, 216, 253
Experiments with Linseed 229
Export of Fruit, Farm Produce, Vegetables, &c., from Brisbane during December, 1918 81

F.

Fallow, Working the, at Roma State Farm 90
Farm and Garden Notes for—
January (*see* December, 1918, p. 275)
February 44
March 87
April 129
May 174
June 224
July 269
Farm Produce, Prices of, in the Brisbane Markets 40, 82, 125, 171, 221
Farm Produce, Record Prices for 70, 123
Farmers, Limestone for 145
Farmers' Wool Clips 15
Felled Timber, to Measure 263
Flax-growing 228
Flies, to Banish 220
Floods and Droughts 160
Fodder Crops 92
Forced Rain Precipitation 79
Friesian Sale 14
Fruitgrowers' Conference 247
Fruitgrowers, Co-operation Amongst North Coast Orchardists 150
Fruit Market, the Southern 41, 83, 126, 172, 222, 266
Fruit, Prices of, in the Turbot Street Markets 41, 83, 126, 172, 222, 266

G.

Gate Hinge, a Useful 264
General Notes 81, 124, 170, 219, 262
Good Roads 3
Grape, the Seedless Raisin 112
Grapes, Notes on Table and Wine ... 198
Great Friesian Sale 14
Growing Flax 228

Page.

H.

Handling, Packing, and Marketing Pineapples 254
Hinge, Gate, a Useful 264
Honey, Australian Supplies of 16
Horses 240
Horticulture 71
How the Extension of Agriculture Benefits the City Worker 55
How to Lay Off an Acre or Less ... 219
How to Prepare Liquid Manure ... 65

I.

Illustrated Notes on the Weeds of Queensland 118
Imports of Cotton Seed 136
Improved Method of Drying and Mounting Plant Specimens 10
Impure Stock Foods 219
Industries, Neglected 231
Industries, Tropical 22, 72, 115, 152, 206,
Invasion of Insects Attracted by Light 220
Irrigation: Economical and Practical Methods 9, 55, 93, 179, 227

J.

Jack Spaniards 78
January, Farm and Garden Notes for (*see* December, 1918, page 275).
June, Farm and Garden Notes for ... 224
July, Farm and Garden Notes for ... 269

L.

Langra Mango 99
Large Dams, the Clarification of Water in 13
Late-hatched Chicks 20
Laying Off an Acre or Less 219
Lemon-curing 196
Life, Chances of 12
Lime and Magnesia in Queensland Soils 162
Lime, Pulverised, in Agriculture ... 145
Linseed, Experiments with 229
Linseed for the Dairy 39
Liquid Manure and How to Prepare It 65
Lomatia silaifolia 256
Lucerne and Lime 59
Lucerne Cultivation 228

M.

Machine for Cotton-picking 141
Mackay Sugar District 213
Magnesia and Lime in Queensland Soils 162
Maize, Record Price for 240
Mango, the Langra 99
Manufacture of White Arsenic in Queensland 261
March, Farm and Garden Notes for ... 87
March, Orchard Notes for 86
Market Gardening 146
Markets 40, 82, 125, 171, 221, 265
May, Farm and Garden Notes for ... 174
May, Orchard Notes for 173
Measuring Felled Timber 263
Meatworks Fertiliser for Potatoes ... 124
Melon, the Cassaba 97
Milk Secretion, Circumstances Influencing 241
Millet (Broom), the Price of 229

Page.

N.

National Roads Association of New South Wales 7
Neglected Industries 231
North Coast Fruitgrowers' Association 150
Notes, Farm and Garden, for—
January (*see* December, 1918).
February 44
March 87
April 129
May 174
June 224
July 269
Notes, General 81, 124, 170, 175, 219, 262
Notes on Grapes, Table and Wine ... 198
Notes on the Handling, Packing, and Marketing of Pineapples 254
Notes on Wheat-growing 90
Notes, Orchard 44, 86, 128, 268
Notice to Cotton Planters 140

O.

Oil Seeds, Castor 231
Onions and Onion-growing 143
Open Season for Bears and Opossums ... 173
Opossums and Bears, Open Season for ... 173
Orchard Notes 44, 97, 128, 175, 196, 247
Osteo-malacia 96
Ovens, Solar 263

P.

Papua, Cotton in 94
Parasitical Bronchitis in Calves 81
Pastoral 13, 60, 96, 237
Percherons, a New Zealander's View of 240
Pathology, Animal 76
Perfection in Disinfectants 262
Pest, Another Imported 30
Pest, the St. John's Wort 122
Pineapple Cider 180
Pineapples, Notes on Packing and Marketing 254
Plant Specimens, a New Method of Drying and Mounting 10
Possible Factor in Controlling the Coco-nut Beetle 215
Potatoes, Economy in Using 80
Potatoes, Meatworks Manure for ... 124
Poultry 18, 66, 100, 147, 181, 243
Poultry Farming, Does it Pay? 68
Poultry Farms. Do they Pay? 194
Poultry Foods, Analyses of 245
Poultry, Selection of 102
Preservation of Perishable Products with Burnt Lime 52
Price of Broom Millet 229
Prices of Farm Produce in the Brisbane Markets ... 40, 82, 125, 171, 221, 265
Prices of Fruit in the Southern Markets 41, 83, 126, 172, 222, 266
Prices of Fruit in the Turbot Street Market ... 41, 83, 126, 172, 222, 266
Prices of Vegetables in the Brisbane Markets ... 40, 82, 125, 171, 221, 265
Prickly-pear, Report on its Supposed Spread by the Scrub Turkey ... 26
Prickly Poppy 118
Pulverised Lime in Agriculture 145
Purification of Water for Butter and Cheese Factories 160

Page.

Q.

Queensland, a Country Road Board for 2
Queensland Agricultural College Egg-laying Competitions 18, 66, 100, 147, 181, 183, 243
Queensland Agricultural Journal ... 1
Queensland, Astronomical Data for 43, 85, 130, 173, xii., 267
Queensland, Cotton in 47, 58, 131
Queensland Soils, Lime and Magnesia in 162
Queensland, Sugar Cultivation in 115, 206
Queensland, the Cotton Plant in ... 131
Queensland, the Manufacture of Arsenic in 261

R.

Rabbits, Tree Roots Gnawed by ... 17
Rainfall in the Agricultural Districts 42, 84, 127, 158, 223, 242
Rain Precipitation, Forced 79
Raisin Grapes, Seedless 112
Raising Rhubarb from Seed 146
Rats, to Destroy 213
Record Price for Maize 240
Record Prices for Farm Produce ... 70
Record Price for Shorthorns 239
Record Prices for Wheaten Chaff ... 123
Repatriation Cattle Sale 239
Report on Investigations in Regard to the Spread of Prickly-pear by the Scrub Turkey 26
Report on Mr. Munro Hull's Claim Regarding Tick-proof Cattle ... 76
Report on the Maggot-fly in Sheep in Relation to the Best Means to Cope with it 60
Rhubarb, Raising from Seed 146
Road Board for Queensland 2
Roots Gnawed by Rabbits 17
Rubber or Coconuts 75

S.

Sales, Enoggera 42, 84, 127, 172, 222, 266
Science 26, 79, 117, 159
Scrub Turkeys and Prickly-pear 26
Seed (Cotton) for Distribution 180
Seedless Raisin Grapes 112
Seeds, Castor Oil 231
Seeds, Electrified 262
Selection of Poultry 102
Separation of Cockerels and Pullets ... 70
Sheep, a Beginner with 16
Sheep, Drought-resisting 63
Sheep, the Maggot-fly Among 63
Shorthorns, Record Prices for 239
Show Dates of Agricultural Societies 81, vi., 124, 170, 262
Silage, Ten-year-old 96
Silo, Value of the 96
Skirting and Rolling Fleeces 15
Societies ... ... 81, vi., 124, 170, vii., 262
Soils, Queensland, Lime and Magnesia in 162
Solar Ovens 263
Southern Fruit Market 41, 83, 126, 172, 222, 266
St. John's Wort Pest 122
Statistics 42, 84, 127, 158, 223, 242
Sterilisation of Tobacco Seed 154
Sting of the Nettle-tree, a Remedy for the 81

Page.

Stock Foods, Impure 219
Successful Cotton-picking Machine ... 141
Subsoil Blasting 90
Sugar Production, the Desirability of Increasing our 155
Sugar-cane Cultivation in Queensland ... 115
Sugar-cane Silage Pit 59
Sugar Districts (Central) 210
Sugar Districts (Mackay) 213
Sugar Industry 95
Sugar Industry in the Proserpine and Bundaberg Districts 24
Sugar Season of 1918 22
Sun Prophecy Fulfilled on Earth ... 159
Sunrise and Sunset in Queensland 43, 85, 130, 173, xii. (May), 267

T.

Tank, to Repair a Leaking 25
The Clarification of Water in Large Dams 13
The Central Sugar Districts 210
The Mackay Sugar District 213
The Coming of the Friesian 13
The Cotton Plant in Queensland ... 131
The Cultivation of Sugar in Queensland 115, 206
The Coming Wheat Crop 2
The Desirability of Increasing our Sugar Production 155
The Langra Mango 99
The Maggot-fly in Sheep 60, 63
The Preservation of Perishable Products with Burnt Lime 52
The Purification of Water for Butter and Cheese Factories 160
The "Queensland Agricultural Journal" 1
The Central Sugar Districts 115
The Mackay Sugar District 213
The Sugar Industry in the Proserpine and Bundaberg Districts 24
The Sugar Season of 1918 22
The Use of Liquid Manure and How to Prepare It 65

Page.

Tick-resistant Cattle: Mr. Hull's Claims 76
Times of Sunrise and Sunset 43, 85, 130, 173, xii. (May), 267
To Banish Flies 220
Tobacco Seed, Sterilisation of 154
To Destroy Rats 218
To Measure Felled Timber 263
To Our Readers 1
To Repair a Leaking 10,000-gallon Tank 25
Tree Roots Gnawed by Rabbits 17
Tropical Industries ... 22, 72, 115, 152, 206

U.

Use of Liquid Manure and How to Prepare It 65

V.

Vegetables, Prices of, in the Turbot Street Markets 40, 82, 125, 171, 221, 265
Viticulture 112, 198

W.

Water Divining 117
Water as a Factor in Egg-production 195
Water for Butter and Cheese Factories, the Purification of 160
Water in Large Dams, Clarification of 13
Weeds of Queensland, Notes on the ... 118
Wheat Crop, the Coming 2
Wheat-growing, Notes on 90
Wheat, the Cultivation of 59
Wheaten Chaff, Record Price for ... 123
Wool Clips, Farmers' 15
World's Record in Competitive Egg-laying 263

INDEX TO ILLUSTRATIONS.

	Page.
Scrub Road in the Maroochy District ...	5
Plant Press	10
Mounted Plant Specimen	11
Roots Gnawed by Rabbits	17
Forced Rain Precipitation	79
Working the Fallows at Roma State Farm	91
The Langra Mango	98
Langra Mango Seed	99
Calf Feeding Experiments	105
Calves at Commencement of the Experiments	107
Calves at Conclusion of the Experiments	108
Prickly Poppy	119
An Upland Cotton Flower	138
Cotton Flower Types	139
A Cotton Field on the Condamine ...	140
A Successful Cotton-picking Machine	141-143
Appliances for Lemon-curing	197
Gros Colman Grapes on Trellis	199
Madresfield Court Grape	200
Black Prince	201
Gros Colman, Grown as Bush Vine ...	203
Picking Gros Colman Grapes	205
Part of a Flat in Messrs. Glen and Mackner's Farm, Kalkadoon, South Johnstone Mill Area	209
Lomatia silaifolia	257